

Appendix G  
Aerial Deposition Study Progress Report

**Quarterly Report of Progress**

**May 11, 1999**

**SANTA MONICA BAY VIA AERIAL DEPOSITION**

This is the first year of a three-year project. The first year is funded by the US EPA, the Los Angeles County Department of Public Works and SCCWRP. The project is being conducted in collaboration with UCLA's Institute of the Environment, the Santa Monica Bay Restoration Project (SMBRP), the US EPA's Great Water Program, and in cooperation with the South Coast Air Quality Management District (AQMD). The first year of this project intends to estimate the annual pollutant loads to Santa Monica Bay via aerial deposition, both directly to Bay waters, and indirectly by depositing onto land surfaces then washing off into the Bay during storm events.

We have successfully completed the winter phase of our sampling program. The sampling program included measurements of contaminants on aerosol particles from the atmosphere, dry deposition (what lands on a surrogate surface), and wet deposition (rain). Our master sampling site is located within the Santa Monica Bay watershed at UCLA. The AQMD samples eight other locations within the airshed (LA air basin) that can contribute to loading in Santa Monica Bay. We also sampled the sea surface microlayer and bulk seawater at nine stations located throughout Santa Monica Bay to estimate direct deposition. Sample analysis is currently underway for all of these samples. During the next quarter, SCCWRP staff will be mobilizing for our summer sampling season scheduled to begin in July.